Taiwanese Patent Publication No. 422365 Heat Dissipation Fan Structure Having a Magnetically Positioning Device

dissipation fan structure having a magnetically positioning device comprises a motor rotor provided with an annular magnet and a shaft base, a magnetically conductive metal plate, and a motor stator provided with an axial tube and a printed circuit board. The magnetically conductive metal plate is mounted between the motor stator and the printed circuit board, and has a ring portion and a pair of crown portion which radially extends from the ring portion. The crown portion forms a magnetically conductive arc in its outer periphery and a hollow portion in its central portion. The magnetically conductive arc of the crown portion is aligned with the annular magnet, and attracted by magnetic force of the pole plate. As a result, the shaft base can be forced to contact with a bearing member in the axial tube to minimize a gap between the shaft base and the bearing member so as to maintain rotation balance of the heat dissipation fan and increase the rotating efficiency thereof.

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新型

全3 頁

[51] Int.Cl ⁰⁶: G06F1/20

H05K7/20

[54]名 稱: 具磁性定位風扇組之散熱器結構

[21]申請案號: 088203837

[22]申請日期:中華民國 88年 (1999) 03月15日

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[57]申請專利範圍:

定子組及電路板間設置感磁金屬片, 感磁金屬片中間為套環部,套環部周 緣延伸出對稱式之冠狀部,冠狀部周 緣為弧形的感磁區段,感磁金屬片之 套環部可供軸套穿設,且感磁金屬片 之感磁區段位於風扇組之永久磁鐵下 側,風扇組之永久磁鐵可與感磁金屬 片之感磁區段相互吸引而下降,使得 風扇組之軸座可抵靠於滾珠軸承上, 以排除心軸樞設之間隙。

- 5. 2.如申請專利範圍第1項所述之具磁性定位風扇組之散熱器結構,其中,感磁金屬片與定子組間設置絕緣片,絕緣片之外圍圈徑小於感磁金屬片之感磁區段的內緣圈徑。
- 10. 3.如申請專利範圍第1項所述之具磁性定位風扇組之散熱器結構,其中,感磁金屬片之對稱式的冠狀部中形成鏤空部。

圖式簡單說明:

15. 第一圖:係本創作之立體分解圖。

第二圖:係本創作之組合剖視圖。

第三圖:係本創作組合之上視形態

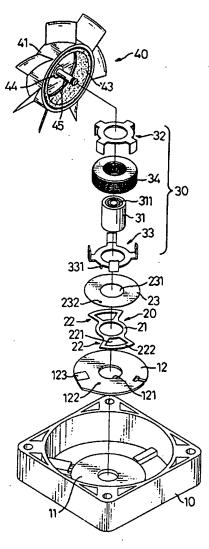
示意圖。

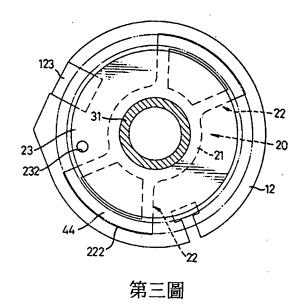
第四圖:傳統型散熱器之立體分解

20. 圖。

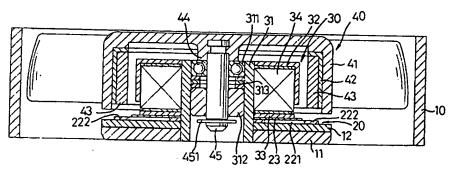
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第五圖:傳統型散熱器之組合剖視

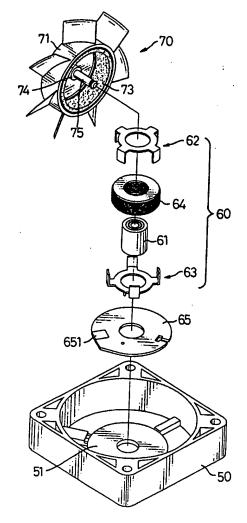




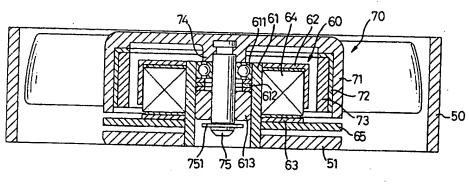
第一圖



第二圖



第四圖



第五圖

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